5.5   BROWSE

Description. Provides information about a specific RA. This menu contains the following functions: File List, Metrics, and Related RA List.

Table V-IV provides a description of each function. The Browse pull-down menu is shown in Figure 5-11.

Table V-IV. The Browse Command Menu

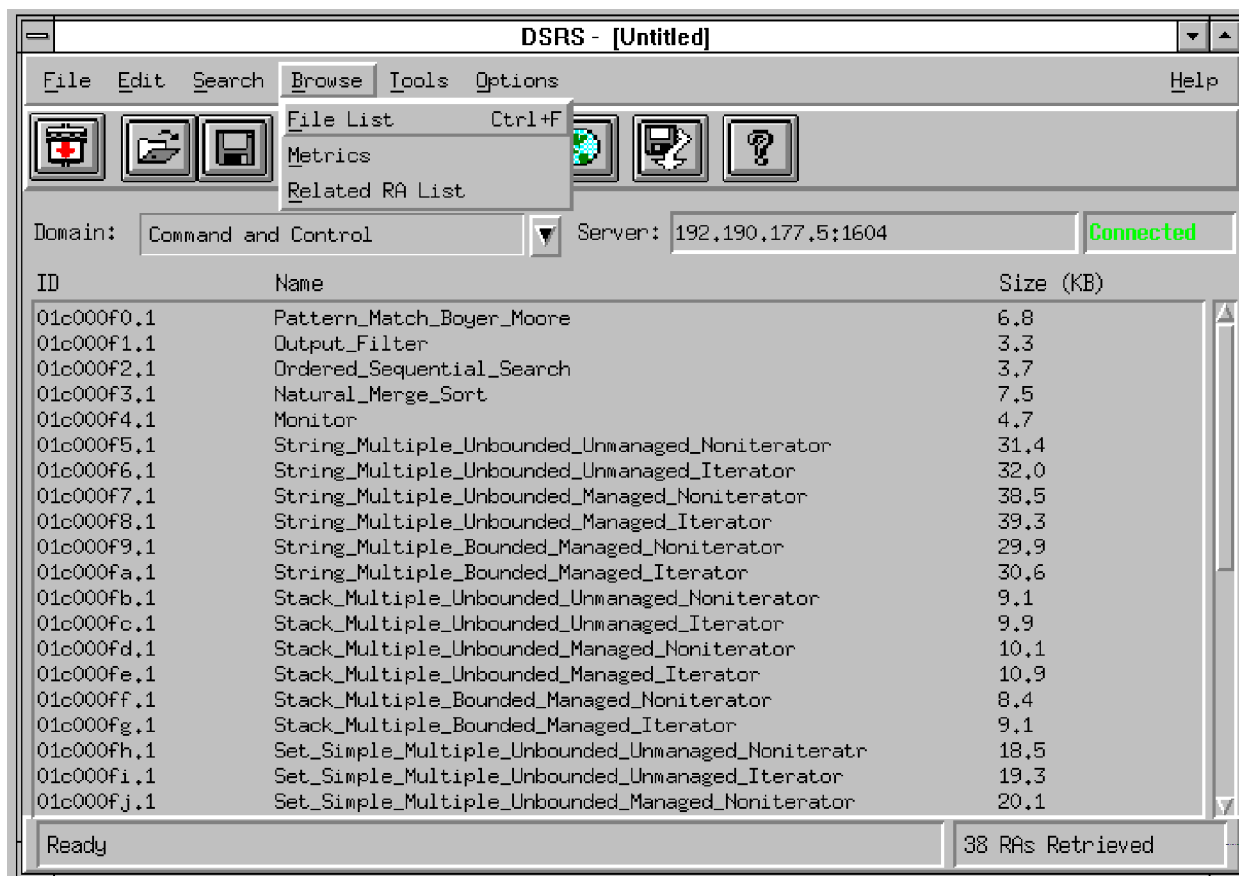| MENU	DESCRIPTION	SECTION
FILE LIST	List of all the files associated with an RA.	5.5.1
METRICS	List available metric values for an RA.	5.5.2
RELATED RA LIST	List of all RAs associated with the current RA and their relationship.	5.5.3

Figure 5-11. Browse Pull-Down Menu

5.5.1 FILE LIST

Function. Provides a list of files associated with the selected RA. Table V-V describes the file types that can be browsed under the File List option.   Prior to performing this function, be sure to specify a wordprocessing executable file default in the Text Viewer field under Preferences from the Options menu (section 5.7.2). Otherwise, the DSRS will display the default text viewer.
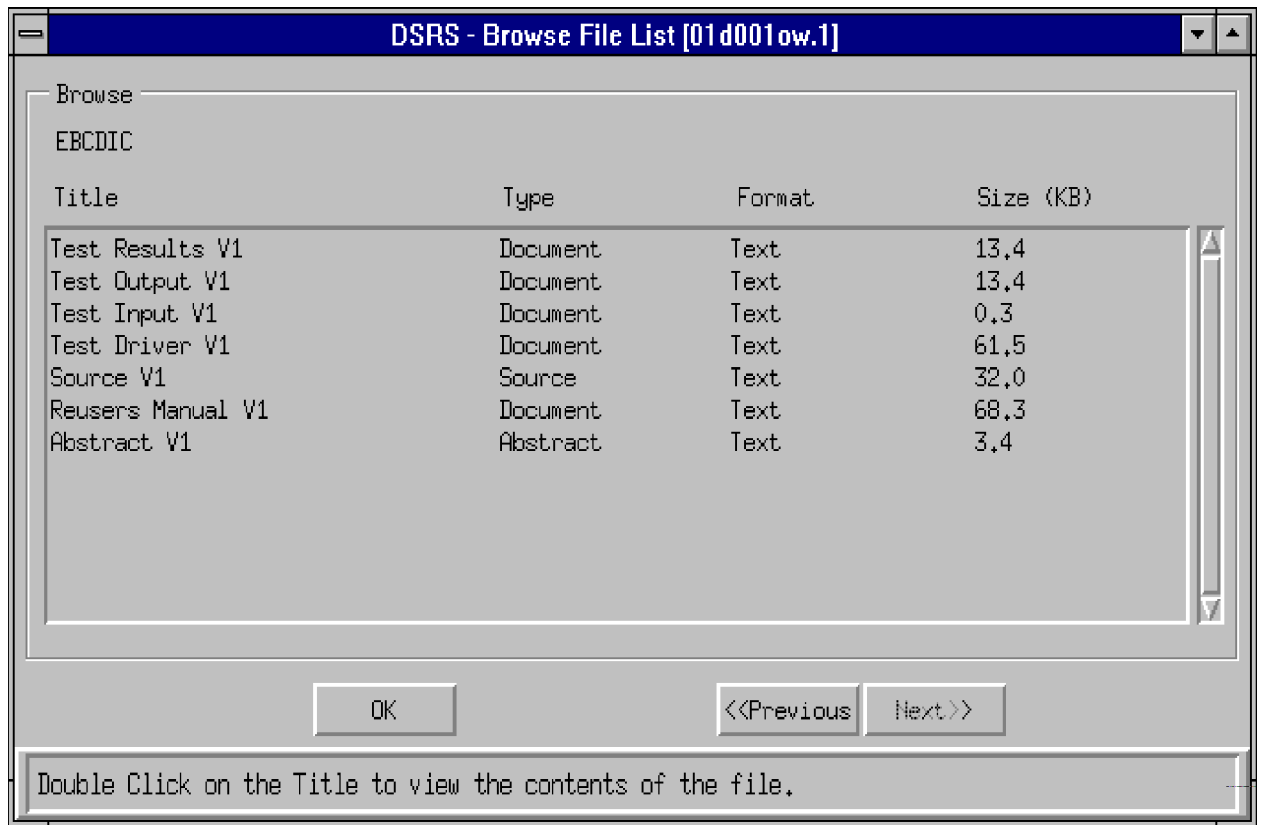

 To Browse the RA Files List:

---

1.   Click the selected RA on the RA List.

2.   Select **File List** from the **Browse** pull-down menu. The **Browse File List** dialog box is displayed as shown in Figure 5-12. The files associated with the selected RA are displayed.

Table V-V. File Types

TYPE	DESCRIPTION
ABSTRACT	A short synopsis of the RA.
SOURCE	Files containing the actual data of the RA.
DOCUMENT	Files containing supporting information.
PROBLEM	Files containing deficiency reports on the RA.

3.   Double click on the File Title to view the contents of the file. If the file is not in the text format, a grayed screen and error message indicate the file cannot be viewed.

4.   Close the application following procedures provided by your text viewer.

5.   Select **Previous** or **Next** button to scroll backward or forward on the RA List to view the file list for the other RAs.

6.   Click **OK** to end the browse session.

Figure 5-12. Browse File List Dialog Box

5.5.2 METRICS

Function. Displays a list of available metrics for the selected RA. Table V-VI provides a description of each metric.

Table V-VI. Examples of Metrics in the DSRS

METRIC	DESCRIPTION
LINES OF SOURCE CODE*	Number of lines of source code (including lines of code, lines of comments, lines of blanks)
MAINTAINABILITY MEASURE*	Maintainability score
PROBLEM REPORTS	Number of problem reports
REUSABILITY MEASURE*	Reusability score
USES	Number of extractions

* Will vary by DSRS site.

To Browse Metrics for a Specified RA:

---

1.   Click the selected RA on the RA List.

2.   Select **Metrics** from the **Browse** pull-down menu. The **Browse Metrics** dialog box is displayed as shown in Figure 5-13.
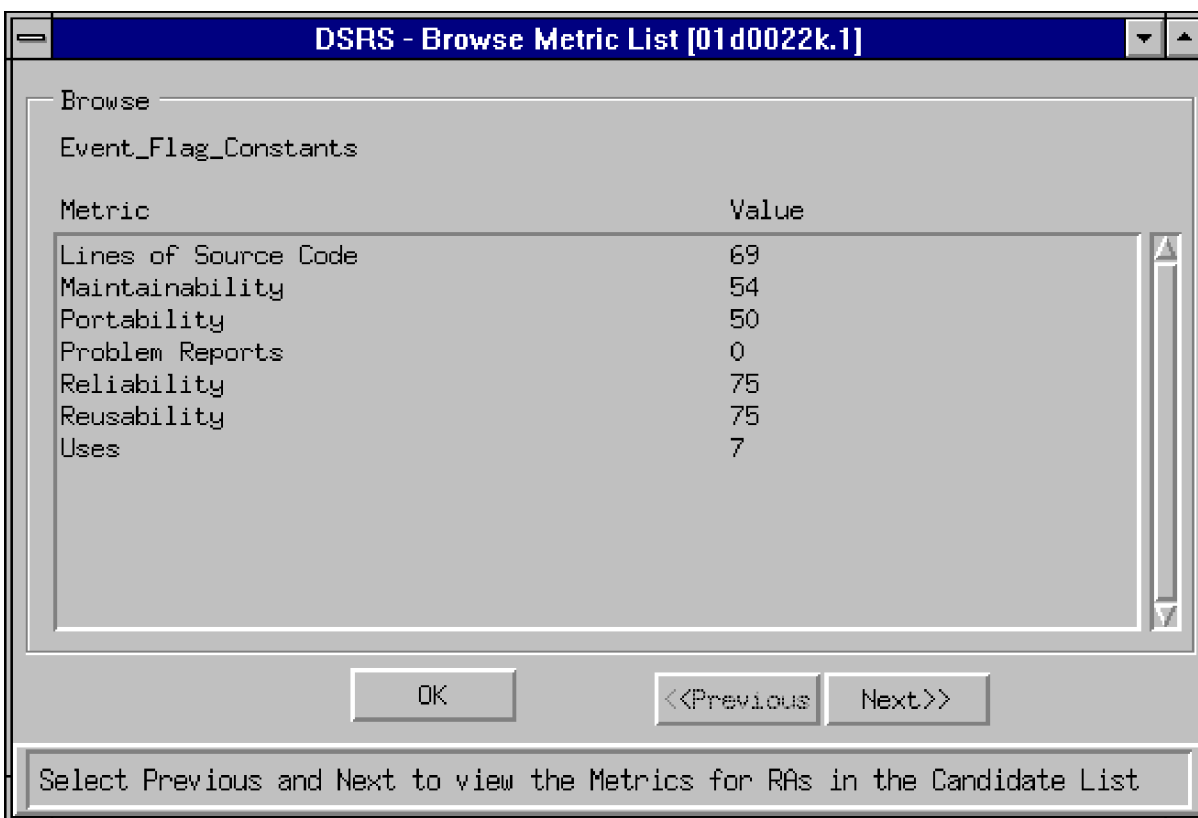
Figure 5-13. Browse Metrics Dialog Box

3.   Scroll through the metrics list and view each of the values rating the RA. A value of 0 for the Number of Uses or Number of Problem Reports means no problem reports or extractions (uses) have been recorded for the RA. A value of No Data indicates the metric does not apply to the RA.

4.   Select the **Previous** or **Next** button to scroll backward or forward on the RA List to view metrics for other RAs.

5.   Click **OK** to exit the **Browse Metrics** dialog box.

5.5.3 RELATED RA LIST

Function. Lists all RAs associated with the selected RA and their relationship. Table V-VII provides a definition of each relationship.

Table V-VII. Examples of RA Relationships

RELATIONSHIP	DEFINITION
DEPENDS ON	The related RA needs the selected RA.
IS NECESSARY FOR	The related RA is necessary for operation of the selected RA.
IS AN ALTERNATIVE TO	The related RA is an alternative to the selected RA .
WAS DERIVED FROM	The related RA was derived from the selected RA.
WAS SOURCE OF	The related RA was the source of the selected RA.

To Browse the List of Related RAs:

1.   Click the selected RA on the RA List.

2.   Select **Related RA List** from the **Browse** pull-down menu. The **Browse Related RAs** display as shown in Figure 5-14.
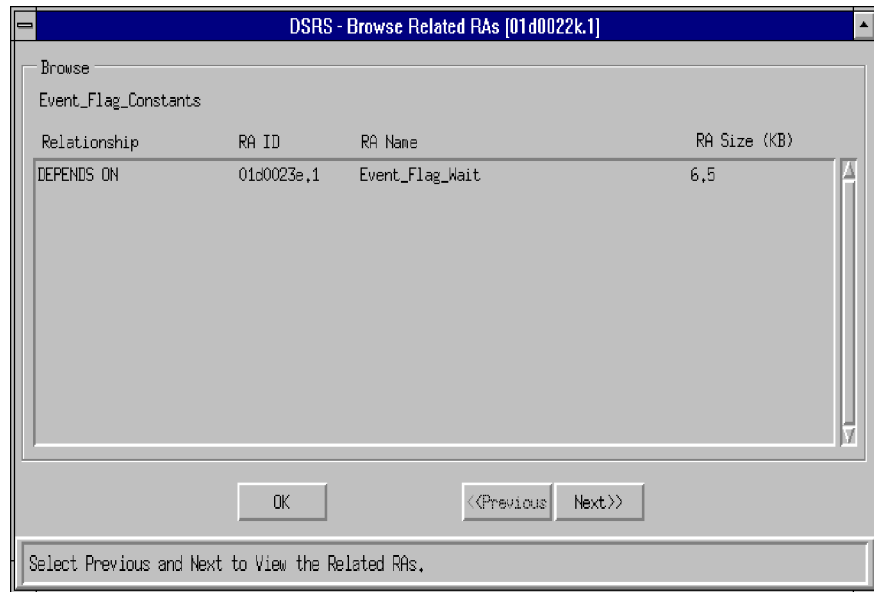
Figure 5-14. Browse Related RAs Dialog Box

3. Review the list of related RAs.

4. Select **Previous** or **Next** button to scroll backward or forward on the RA List to view related RAs.

5. Click **OK** to exit the **Browse Related RAs** dialog box.

5.6   TOOLS

Description. Provides options for the following utilities: Clear Local Catalog and Sort List.

Table V-VIII provides a description of each utility. The Tools pull-down menu is shown in Figure 5-15.

Table V-VIII. The Tools Command Menu

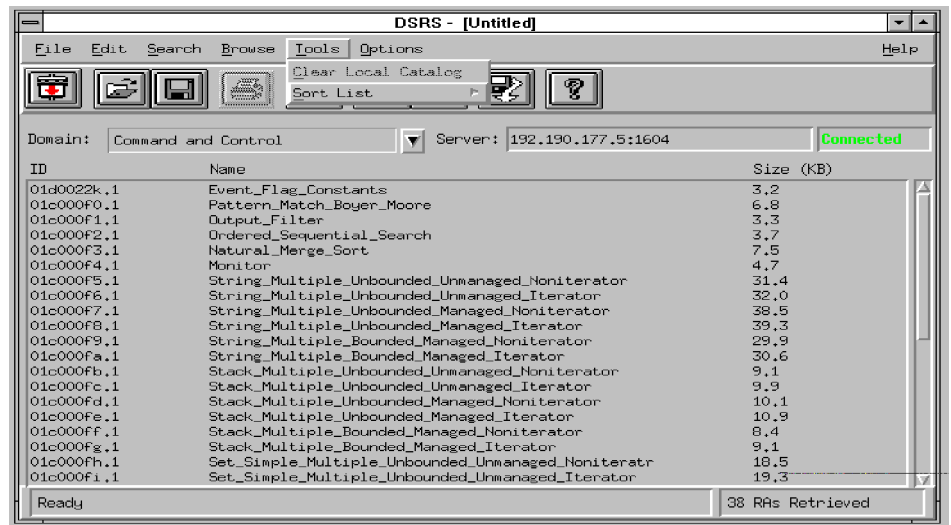| MENU	DESCRIPTION	SECTION
CLEAR LOCAL CATALOG	Clears the local DSRS catalog of all stored information.	5.6.1
SORT LIST	Sorts the RA List in alphabetical order based on the RA ID or the RA Name.	5.6.2

Figure 5-15. Tools Pull-Down Menu

5.6.1 CLEAR LOCAL

CATALOG

Function. Clears the local DSRS catalog of all stored information as the result of previous searches.

NOTE: The user's local catalog is static. It could contain data no longer consistent with the server database. It is recommended that this catalog be cleared regularly to assure consistency between it and the server database.

To Clear Local Catalog:
---

1. Verify that the DSRS server is disconnected. The message "**Disconnected**" displays in the **Server** field.

2. Click **Clear Local Catalog** from the **Tools** pull-down menu. A message box displays.

3. Click **Yes** to clear the catalog or **No** to cancel the function. The system returns to the DSRS main window.

5.6.2 SORT LIST

Function. Sorts the RA List in alphabetical order based on the RA ID or the RA Name.

> **To Sort an RA List:**

1. Click **Sort List** from the **Tools** pull-down menu.

2. Click either **By ID** or **By Name** from the **Sort List** pull-down menu.

3. The RA List displays the order selected.

5.7   OPTIONS

Description. Provides options for the following functions: Change Password, Preferences, Network, and WWW Catalog.

Table V-IX provides a description of each function. The Options pull-down menu is show in Figure 5-16.

Table V-IX. The Options Command Menu

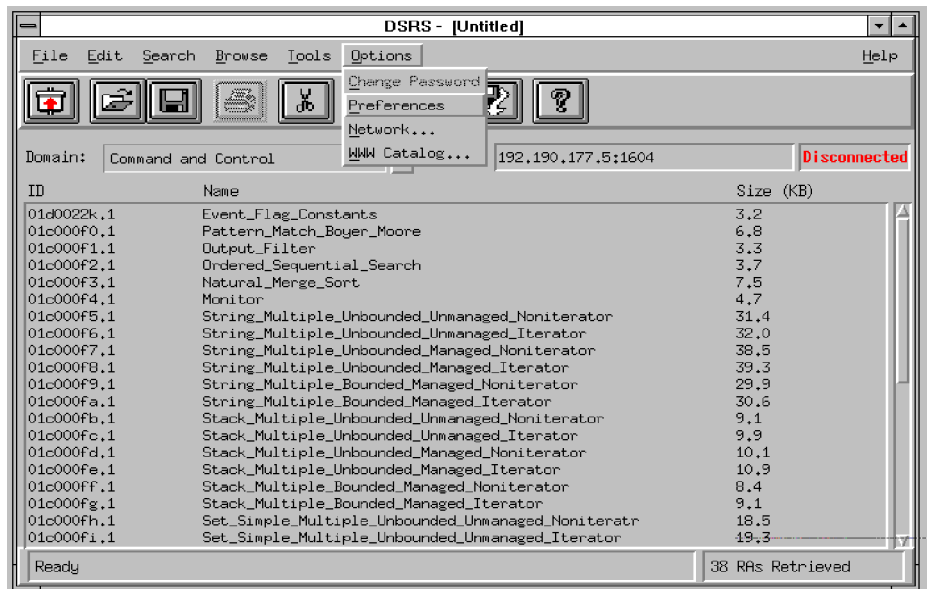| MENU	DESCRIPTION	SECTION
CHANGE PASSWORD	Change login password to the DSRS.	5.7.1
PREFERENCES	Set defaults for text viewers, search thresholds, and other user functions	5.7.2
NETWORK	Enter network information to be used when connecting to the DSRS server.	5.7.3
WWW CATALOG	Enter WWW browser and URL information.	5.7.4

Figure 5-16. Options Pull-Down Menu

5.7.1 CHANGE PASSWORD

Function. Allows user to change password to the DSRS.

To Change Password:

---

1. Click **Change Password** from the **Options** pull-down menu. The **Change Password** dialog box is displayed as shown in Figure 5-17.

Figure 5-17. Change Password Dialog Box

2. Enter your old password in the text box field. For security purposes, your password will not be echoed as you type.

3. Enter your new password in the text box field. The password has to consist of at least 6 characters and/or numbers in order for the password to be accepted.

4. Click **OK** to accept the new password or **Cancel** to cancel your password change. You will be asked to verify the new password.

5.7.2 PREFERENCES

Function. Allows user to set the defaults for the following functions: domain, search threshold, and text viewer.

To Specify Preferences:

---

1. Click **Preferences** from the **Options** pull-down menu. The **Preferences** dialog box is displayed as shown in Figure 5-18.
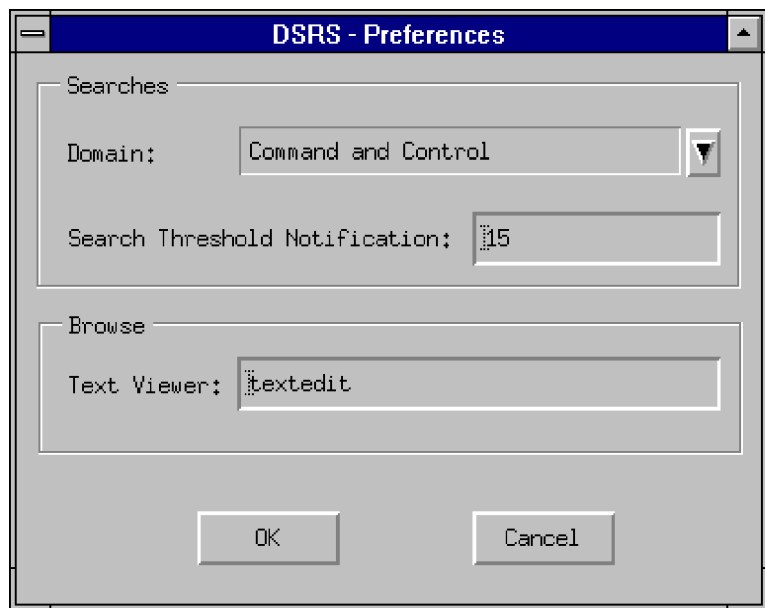

Figure 5-18. Preferences Dialog Box

2. Click the down arrow in the right corner of the **Domain** field to set the default domain for your searches.

3. Enter a number in the **Search Threshold Notification** field box to place a limit on the number of RAs displayed in the list. This limit is set for all domains. For RA ID search, RA Name search, and multiple domain Keyword searches, when the search criteria retrieves a number of RAs greater than the threshold, a prompt will ask the user whether to display the retrieved RAs or refine their search. For Keyword searches of a single domain, there is no message and the list will never be longer than the limit.

4.   Specify a text editor in the **Text Viewer** field box to view RA files.

5.   Click **OK** to accept the information or **Cancel** to cancel to go back to the DSRS main window.

5.7.3 NETWORK

Function.   Allows user to enter network configuration information used when connecting to the DSRS server. The configuration information includes the DSRS server hostname, the type of server, the TCP port used when connecting to the server, and the timeout information. It also allows the user to test the communication between their workstation and the DSRS server before attempting to login.   The network function is only available when the user is disconnected from the server.   The message **Disconnected** will display in the **Server** field.

> **To Configure DSRS Server:**

1.   Click **Network** from the **Options** pull-down menu. The system will display the **Network Configuration** dialog box.

2.   To make changes to any field within the **Network Configuration** box, click the box that you want to change. The Server Hostname, Server Type and TCP Port information must be set to values provided to you by the DSRS Staff. The Timeout field can be changed by the user to the number of seconds desired.

3.   Click the **Test** button to test the network connection.

4.   Click **OK** to accept the changes or **Cancel** to go back to the DSRS main window.

5.7.4 WWW CATALOG

Function. Allows user to enters the location of the World Wide Web (WWW) browser and the Universal Resource Locator (URL) used to view the DSRS catalog.

To Enter WWW Browser Information:

---

1. Click **WWW Catalog** from the **Options** pull-down menu. The **WWW Catalog** dialog box is displayed as shown in Figure 5-19.
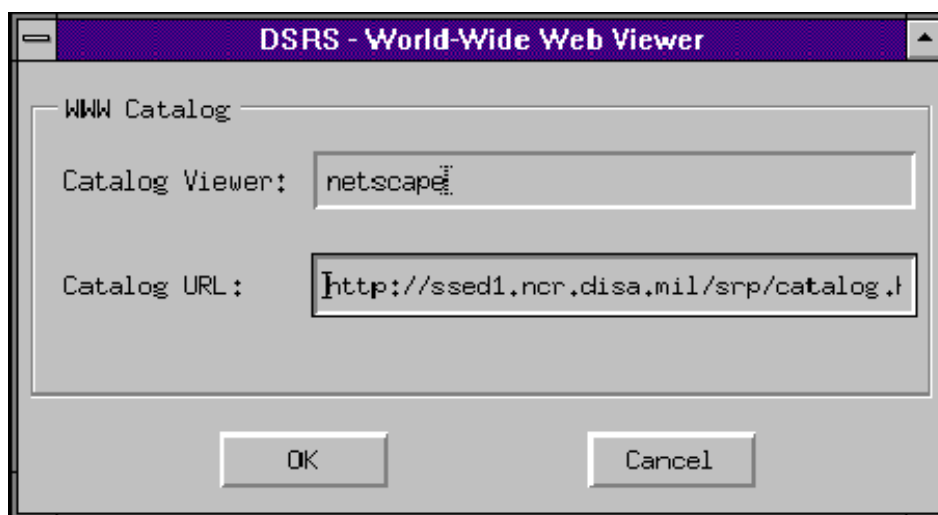

Figure 5-19. WWW Catalog Dialog Box

2. Enter the Catalog Viewer in the text field box.

3. Enter the Catalog URL in the text field box. This is the address of the DSRS catalog located on the WWW.

4. Click **OK** to accept the information or **Cancel** to cancel the process.

5.8   HELP

Description. Provides help options for the following items: Contents, Search For Help On, DSRS Tutorial, and About DSRS.

Table V-X. The Help Command Menu

MENU	DESCRIPTION	SECTION
CONTENTS	Access help for a DSRS overview, references to specific subjects, and an index of all help sections.	5.8.1
SEARCH FOR HELP ON	Search for help on a specified topic.	5.8.2
ABOUT DSRS	View version information on the DSRS.	5.8.3

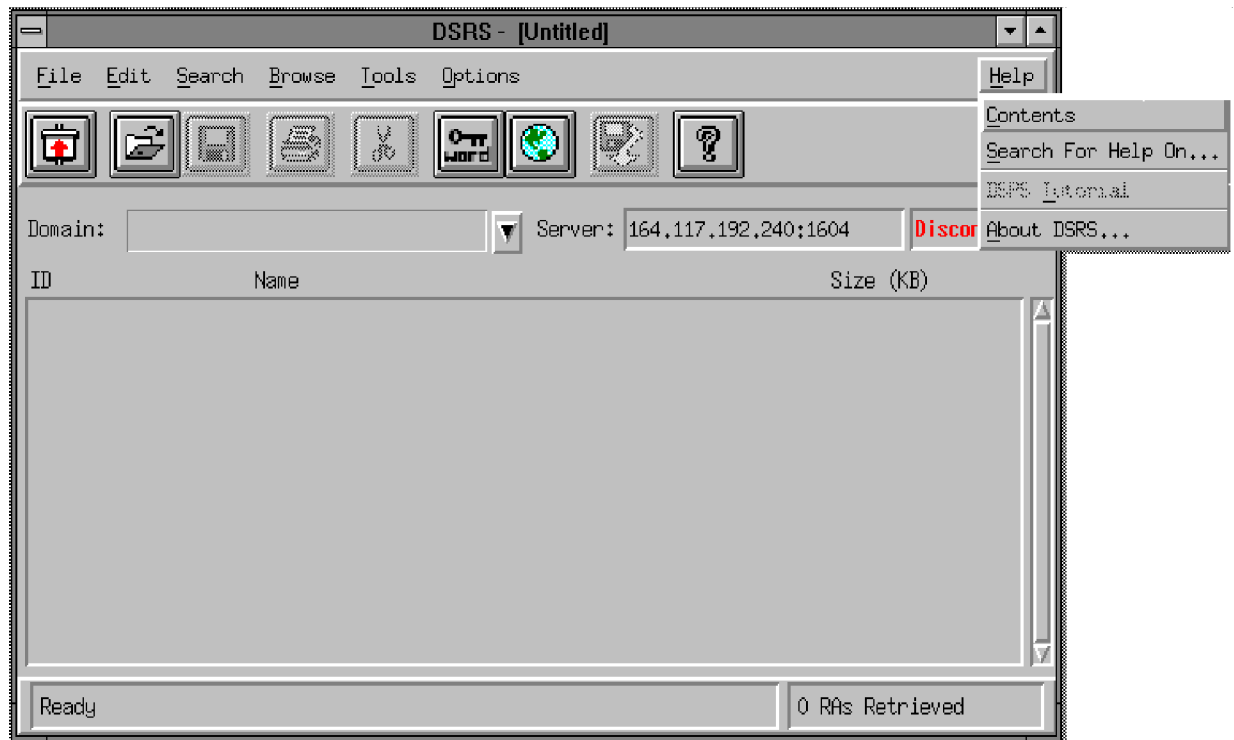Table V-X provides a description of each item. The Help pull-down menu is shown in Figure 5-20.

Figure 5-20. Help Pull-Down Menu

5.8.1 CONTENTS

Function. Access help for a DSRS overview, references to specific subjects, and an index of all help sections.

To View the Contents:

---

1. Click **Contents** from the **Help** pull-down menu.

2. Click on the topic you wish to learn more about.

3. Review the topic. Click **File** and then **Exit** from the pull-down menu to return to the current screen.

5.8.2 SEARCH FOR HELP ON

Function. Provides assistance for the user by searching the help tool for a specific topic.

To Obtain Help on a Topic:

---

1. Click **Search for Help On** from the **Help** pull-down menu or the **Help** icon. The **Search** dialog box displays.

2. Type a word or select from the topic list using the scroll bars.

3. Click **File** from the menu bar and then **Exit** from the pull-down menu to return to the current screen.

5.8.3 ABOUT DSRS

Function. Displays the DSRS version and date of the version you are running. This information is helpful when the user reports a problem with the software.

> **To View Information About DSRS:**

1.   Click **About DSRS** from the **Help** pull-down menu.

2.   View the information screen.

3.   Click **Continue** to return to the DSRS main window.